

# GILA RIVER BASIN

09520400 LIGURTA WASH AT LIGURTA, AZ

LOCATION.--Lat 32°40'33", long 114°17'38", in NW<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub> sec.2, T.9 S., R.20 W., Yuma County, Hydrologic Unit 15070201, at U.S. Highway 80 at Ligurta, and 9.0 mi west of Wellton.

DRAINAGE AREA.--1.99 mi<sup>2</sup>.

## Annual peak discharges

Water year	Date	Annual peak discharge (ft <sup>3</sup> /s)	Discharge codes	Water year	Date	Annual peak discharge (ft <sup>3</sup> /s)	Discharge codes
1963	09-17-63	1,590		1971	09-29-71	156	
1964	08-01-64	2.0	ES	1972	00-00-72	0	
1965	02-06-65	195		1973	08-05-73	330	
1966	11-16-65	8.0		1974	09-03-74	190	
1967	09-02-67	194		1975	00-00-75	0	
1968	07-27-68	1,330		1976	09-25-76	430	
1969	08-13-69	58		1980	00-00-80	<sup>1</sup> 780	HP
1970	02-10-70	175					

<sup>1</sup>Highest since 1976.

Magnitude and probability of instantaneous peak flow based on period of record 1963-76, 1980

Discharge, in ft <sup>3</sup> /s, for indicated recurrence interval in years, and exceedance probability, in percent					
2 50%	5 20%	10 10%	25 4%	50† 2%	100† 1%
182	548	980	1,820	2,730	3,930
Weighted skew	(logs) =	0.03			
Mean	(logs) =	2.26			
Standard dev.	(logs) =	0.57			

† Reliability of values in column is uncertain, and potential errors are large.

## Basin characteristics

Main channel slope (ft/mi)	Stream length (mi)	Mean basin elevation (ft)	Forested area (percent)	Soil index	Mean annual precipitation (in)	Rainfall intensity, 24-hour	
						2-year (in)	50-year (in)
127	2.0	395	0.0	2.0	4.0	1.4	3.6

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09520400 LIGURTA WASH AT LIGURTA, AZ--Continued

